

ABSTRACT

This invention discloses a method for controlling inter-frequency hard handoffs by using user equipment(UE) event-triggered reporting mode in a WCDMA system, being applicable to geographical cells covered by multiple frequency points. Its main technical feature is that the radio network controller(RNC), after receiving reported results from the UE, performs the decision and execution according to the specific events. This method has the advantages of a reasonable logic and high efficiency, being able to well ensure the realization of the inter-frequency handoffs required by a WCDMA system, improved communication quality, reduced transmission power of the UE, reduced interference to other cells, and increased system capacity, etc.